



## SEQUENCE LISTING

<110> HOSTETTER, Margaret K.  
DEVORE-CARTER, Denise

<120> ANTIBODIES TO THE PROPEPTIDE OF CANDIDA ALBICANS

<130> P07274US02/BAS

<140> US 09/964,858

<141> 2001-09-28

<150> US 60/237,082

<151> 2000-09-28

<160> 13

<170> PatentIn version 3.1

<210> 1

<211> 1664

<212> PRT

<213> Candida albicans

<400> 1

Met Asn Ser Thr Pro Ser Lys Leu Leu Pro Ile Asp Lys His Ser His  
1 5 10 15

Leu Gln Leu Gln Pro Gln Ser Ser Ser Ala Ser Ile Phe Asn Ser Pro  
20 25 30

Thr Lys Pro Leu Asn Phe Pro Arg Thr Asn Ser Lys Pro Ser Leu Asp  
35 40 45

Pro Asn Ser Ser Ser Asp Thr Tyr Thr Ser Glu Gln Asp Gln Glu Lys  
50 55 60

Gly Lys Glu Glu Lys Lys Asp Thr Ala Phe Gln Thr Ser Phe Asp Arg  
65 70 75 80

Asn Phe Asp Leu Asp Asn Ser Ile Asp Ile Gln Gln Thr Ile Gln His  
85 90 95

Gln Gln Gln Gln Pro Gln Gln Gln Gln Leu Ser Gln Thr Asp Asn  
100 105 110

Asn Leu Ile Asp Glu Phe Ser Phe Gln Thr Pro Met Thr Ser Thr Leu  
115 120 125

Asp Leu Thr Lys Gln Asn Pro Thr Val Asp Lys Val Asn Glu Asn His  
130 135 140

Ala Pro Thr Tyr Ile Asn Thr Ser Pro Asn Lys Ser Ile Met Lys Lys  
145 150 155 160

Ala Thr Pro Lys Ala Ser Pro Lys Lys Val Ala Phe Thr Val Thr Asn  
165 170 175

Pro Glu Ile His His Tyr Pro Asp Asn Arg Val Glu Glu Glu Asp Gln  
180 185 190

Ser Gln Gln Lys Glu Asp Ser Val Glu Pro Pro Leu Ile Gln His Gln  
195 200 205

Trp Lys Asp Pro Ser Gln Phe Asn Tyr Ser Asp Glu Asp Thr Asn Ala  
210 215 220

Ser Val Pro Pro Thr Pro Pro Leu His Thr Thr Lys Pro Thr Phe Ala  
225 230 235 240

Gln Leu Leu Asn Lys Asn Asn Glu Val Asn Ser Glu Pro Glu Ala Leu  
245 250 255

Thr Asp Met Lys Leu Lys Arg Glu Asn Phe Ser Asn Leu Ser Leu Asp  
260 265 270

Glu Lys Val Asn Leu Tyr Leu Ser Pro Thr Asn Asn Asn Asn Ser Lys  
275 280 285

Asn Val Ser Asp Met Asp Ser His Leu Gln Asn Leu Gln Asp Ala Ser  
290 295 300

Lys Asn Lys Thr Asn Glu Asn Ile His Asn Leu Ser Phe Ala Leu Lys  
305 310 315 320

Ala Pro Lys Asn Asp Ile Glu Asn Pro Leu Asn Ser Leu Thr Asn Ala  
325 330 335

Asp Ile Ser Leu Arg Ser Ser Gly Ser Ser Gln Ser Ser Leu Gln Ser  
340 345 350

Leu Arg Asn Asp Asn Arg Val Leu Glu Ser Val Pro Gly Ser Pro Lys  
355 360 365

Lys Val Asn Pro Gly Leu Ser Leu Asn Asp Gly Ile Lys Gly Phe Ser  
370 375 380

Asp Glu Val Val Glu Ser Leu Leu Pro Arg Asp Leu Ser Arg Asp Lys  
385 390 395 400

Leu Glu Thr Thr Lys Glu His Asp Ala Pro Glu His Asn Asn Glu Asn  
405 410 415

Phe Ile Asp Ala Lys Ser Thr Asn Thr Asn Lys Gly Gln Leu Leu Val  
420 425 430

Ser Ser Asp Asp His Leu Asp Ser Phe Asp Arg Ser Tyr Asn His Thr  
435 440 445

Glu Gln Ser Ile Leu Asn Leu Leu Asn Ser Ala Ser Gln Ser Gln Ile  
450 455 460

Ser Leu Asn Ala Leu Glu Lys Gln Arg Gln Thr Gln Glu Gln Glu Gln  
465 470 475 480

Thr Gln Ala Ala Glu Pro Glu Glu Glu Thr Ser Phe Ser Asp Asn Ile  
485 490 495

Lys Val Lys Gln Glu Pro Lys Ser Asn Leu Glu Phe Val Lys Val Thr  
500 505 510

Ile Lys Lys Glu Pro Val Ser Ala Thr Glu Ile Lys Ala Pro Lys Arg  
515 520 525

Glu Phe Ser Ser Arg Ile Leu Arg Ile Lys Asn Glu Asp Glu Ile Ala  
530 535 540

Glu Pro Ala Asp Ile His Pro Lys Lys Glu Asn Glu Ala Asn Ser His  
545 550 555 560

Val Glu Asp Thr Asp Ala Leu Leu Lys Lys Ala Leu Asn Asp Asp Glu  
565 570 575

Glu Ser Asp Thr Thr Gln Asn Ser Thr Lys Met Ser Ile Arg Phe His

580	585	590
Ile Asp Ser Asp Trp Lys Leu Glu Asp Ser Asn Asp Gly Asp Arg Glu		
595	600	605
Asp Asn Asp Asp Ile Ser Arg Phe Glu Lys Ser Asp Ile Leu Asn Asp		
610	615	620
Val Ser Gln Thr Ser Asp Ile Ile Gly Asp Lys Tyr Gly Asn Ser Ser		
625	630	635
Ser Glu Ile Thr Thr Lys Thr Leu Ala Pro Pro Arg Ser Asp Asn Asn		
645	650	655
Asp Lys Glu Asn Ser Lys Ser Leu Glu Asp Pro Ala Asn Asn Glu Ser		
660	665	670
Leu Gln Gln Gln Leu Glu Val Pro His Thr Lys Glu Asp Asp Ser Ile		
675	680	685
Leu Ala Asn Ser Ser Asn Ile Ala Pro Pro Glu Glu Leu Thr Leu Pro		
690	695	700
Val Val Glu Ala Asn Asp Tyr Ser Ser Phe Asn Asp Val Thr Lys Thr		
705	710	715
Phe Asp Ala Tyr Ser Ser Phe Glu Glu Ser Leu Ser Arg Glu His Glu		
725	730	735
Thr Asp Ser Lys Pro Ile Asn Phe Ile Ser Ile Trp His Lys Gln Glu		
740	745	750
Lys Gln Lys Lys His Gln Ile His Lys Val Pro Thr Lys Gln Ile Ile		
755	760	765
Ala Ser Tyr Gln Gln Tyr Lys Asn Glu Gln Glu Ser Arg Val Thr Ser		
770	775	780
Asp Lys Val Lys Ile Pro Asn Ala Ile Gln Phe Lys Lys Phe Lys Glu		
785	790	795
Val Asn Val Met Ser Arg Arg Val Val Ser Pro Asp Met Asp Asp Leu		
805	810	815

Asn Val Ser Gln Phe Leu Pro Glu Leu Ser Glu Asp Ser Gly Phe Lys  
820 825 830

Asp Leu Asn Phe Ala Asn Tyr Ser Asn Asn Thr Asn Arg Pro Arg Ser  
835 840 845

Phe Thr Pro Leu Ser Thr Lys Asn Val Leu Ser Asn Ile Asp Asn Asp  
850 855 860

Pro Asn Val Val Glu Pro Pro Glu Pro Lys Ser Tyr Ala Glu Ile Arg  
865 870 875 880

Asn Ala Arg Arg Leu Ser Ala Asn Lys Ala Ala Pro Asn Gln Ala Pro  
885 890 895

Pro Leu Pro Pro Gln Arg Gln Pro Ser Ser Thr Arg Ser Asn Ser Asn  
900 905 910

Lys Arg Val Ser Arg Phe Arg Val Pro Thr Phe Glu Ile Arg Arg Thr  
915 920 925

Ser Ser Ala Leu Ala Pro Cys Asp Met Tyr Asn Asp Ile Phe Asp Asp  
930 935 940

Phe Gly Ala Gly Ser Lys Pro Thr Ile Lys Ala Glu Gly Met Lys Thr  
945 950 955 960

Leu Pro Ser Met Asp Lys Asp Asp Val Lys Arg Ile Leu Asn Ala Lys  
965 970 975

Lys Gly Val Thr Gln Asp Glu Tyr Ile Asn Ala Lys Leu Val Asp Gln  
980 985 990

Lys Pro Lys Lys Asn Ser Ile Val Thr Asp Pro Glu Asp Arg Tyr Glu  
995 1000 1005

Glu Leu Gln Gln Thr Ala Ser Ile His Asn Ala Thr Ile Asp Ser  
1010 1015 1020

Ser Ile Tyr Gly Arg Pro Asp Ser Ile Ser Thr Asp Met Leu Pro  
1025 1030 1035

Tyr	Leu	Ser	Asp	Glu	Leu	Lys	Lys	Pro	Pro	Thr	Ala	Leu	Leu	Ser
1040						1045					1050			
Ala	Asp	Arg	Leu	Phe	Met	Glu	Gln	Glu	Val	His	Pro	Leu	Arg	Ser
1055						1060					1065			
Asn	Ser	Val	Leu	Val	His	Pro	Gly	Ala	Gly	Ala	Ala	Thr	Asn	Ser
1070						1075					1080			
Ser	Met	Leu	Pro	Glu	Pro	Asp	Phe	Glu	Leu	Ile	Asn	Ser	Pro	Ala
1085						1090					1095			
Arg	Asn	Val	Ser	Asn	Asn	Ser	Asp	Asn	Val	Ala	Ile	Ser	Gly	Asn
1100						1105					1110			
Ala	Ser	Thr	Ile	Ser	Phe	Asn	Gln	Leu	Asp	Met	Asn	Phe	Asp	Asp
1115						1120					1125			
Gln	Ala	Thr	Ile	Gly	Gln	Lys	Ile	Gln	Glu	Gln	Pro	Ala	Ser	Lys
1130						1135					1140			
Ser	Ala	Asn	Thr	Val	Arg	Gly	Asp	Asp	Asp	Gly	Leu	Ala	Ser	Ala
1145						1150					1155			
Pro	Glu	Thr	Pro	Arg	Thr	Pro	Thr	Lys	Lys	Glu	Ser	Ile	Ser	Ser
1160						1165					1170			
Lys	Pro	Ala	Lys	Leu	Ser	Ser	Ala	Ser	Pro	Arg	Lys	Ser	Pro	Ile
1175						1180					1185			
Lys	Ile	Gly	Ser	Pro	Val	Arg	Val	Ile	Lys	Lys	Asn	Gly	Ser	Ile
1190						1195					1200			
Ala	Gly	Ile	Glu	Pro	Ile	Pro	Lys	Ala	Thr	His	Lys	Pro	Lys	Lys
1205						1210					1215			
Ser	Phe	Gln	Gly	Asn	Glu	Ile	Ser	Asn	His	Lys	Val	Arg	Asp	Gly
1220						1225					1230			
Gly	Ile	Ser	Pro	Ser	Ser	Gly	Ser	Glu	His	Gln	Gln	His	Asn	Pro
1235						1240					1245			

Ser	Met	Val	Ser	Val	Pro	Ser	Gln	Tyr	Thr	Asp	Ala	Thr	Ser	Thr
1250						1255					1260			
Val	Pro	Asp	Glu	Asn	Lys	Asp	Val	Gln	His	Lys	Pro	Arg	Glu	Lys
1265						1270					1275			
Gln	Lys	Gln	Lys	His	His	His	Arg	His	His	His	His	His	His	Lys
1280						1285					1290			
Gln	Lys	Thr	Asp	Ile	Pro	Gly	Val	Val	Asp	Asp	Glu	Ile	Pro	Asp
1295						1300					1305			
Val	Gly	Leu	Gln	Glu	Arg	Gly	Lys	Leu	Phe	Phe	Arg	Val	Leu	Gly
1310						1315					1320			
Ile	Lys	Asn	Ile	Asn	Leu	Pro	Asp	Ile	Asn	Thr	His	Lys	Gly	Arg
1325						1330					1335			
Phe	Thr	Leu	Thr	Leu	Asp	Asn	Gly	Val	His	Cys	Val	Thr	Thr	Pro
1340						1345					1350			
Glu	Tyr	Asn	Met	Asp	Asp	His	Asn	Val	Ala	Ile	Gly	Lys	Glu	Phe
1355						1360					1365			
Glu	Leu	Thr	Val	Ala	Asp	Ser	Leu	Glu	Phe	Ile	Leu	Thr	Leu	Lys
1370						1375					1380			
Ala	Ser	Tyr	Glu	Lys	Pro	Arg	Gly	Thr	Leu	Val	Glu	Val	Thr	Glu
1385						1390					1395			
Lys	Lys	Val	Val	Lys	Ser	Arg	Asn	Arg	Leu	Ser	Arg	Leu	Phe	Gly
1400						1405					1410			
Ser	Lys	Asp	Ile	Ile	Thr	Thr	Thr	Lys	Phe	Val	Pro	Thr	Glu	Val
1415						1420					1425			
Lys	Asp	Thr	Trp	Ala	Asn	Lys	Phe	Ala	Pro	Asp	Gly	Ser	Phe	Ala
1430						1435					1440			
Arg	Cys	Tyr	Ile	Asp	Leu	Gln	Gln	Phe	Glu	Asp	Gln	Ile	Thr	Gly
1445						1450					1455			
Lys	Ala	Ser	Gln	Phe	Asp	Leu	Asn	Cys	Phe	Asn	Glu	Trp	Glu	Thr

1460		1465		1470
Met Ser Asn Gly Asn Gln Pro	Met Lys Arg Gly Lys	Pro Tyr Lys		
1475	1480	1485		
Ile Ala Gln Leu Glu Val Lys	Met Leu Tyr Val Pro	Arg Ser Asp		
1490	1495	1500		
Pro Arg Glu Ile Leu Pro Thr	Ser Ile Arg Ser Ala	Tyr Glu Ser		
1505	1510	1515		
Ile Asn Glu Leu Asn Asn Glu	Gln Asn Asn Tyr Phe	Glu Gly Tyr		
1520	1525	1530		
Leu His Gln Glu Gly Gly Asp	Cys Pro Ile Phe Lys	Lys Arg Phe		
1535	1540	1545		
Phe Lys Leu Met Gly Thr Ser	Leu Leu Ala His Ser	Glu Ile Ser		
1550	1555	1560		
His Lys Thr Arg Ala Lys Ile	Asn Leu Ser Lys Val	Val Asp Leu		
1565	1570	1575		
Ile Tyr Val Asp Lys Glu Asn	Ile Asp Arg Ser Asn	His Arg Asn		
1580	1585	1590		
Phe Ser Asp Val Leu Leu Leu	Asp His Ala Phe Lys	Ile Lys Phe		
1595	1600	1605		
Ala Asn Gly Glu Leu Ile Asp	Phe Cys Ala Pro Asn	Lys His Glu		
1610	1615	1620		
Met Lys Ile Trp Ile Gln Asn	Leu Gln Glu Ile Ile	Tyr Arg Asn		
1625	1630	1635		
Arg Phe Arg Arg Gln Pro Trp	Val Asn Leu Met Leu	Gln Gln Gln		
1640	1645	1650		
Gln Gln Gln Gln Gln Gln	Ser Ser Gln Gln			
1655	1660			

<210> 2  
<211> 5194



<212> DNA

<213> *Candida albicans*

<400> 2

ccccaaaaag ataaaataaa aacaaaacaa aacaaaagta ctaacaaatt attgaaactt	60
ttaatttttta ataaagaatc agtagatcta ttgttaaaag aaatgaactc aactccaagt	120
aaattatttac cgatagataa acatttctcat ttacaattac agcctcaatc gtcctcggca	180
tcaatatttta attccccaac aaaaccattg aatttcccca gaacaaattc caagccgagt	240
ttagatccaa attcaagctc tgatacctac actagogaac aagatcaaga gaaagggaaa	300
gaagagaaaa aggacacagc ctttcaaaca tcttttgata gaaattttga tcttgataat	360
tcaatcgata tacaacaaac aattcaacat cagcaacaac agccacaaca acaacaacaa	420
ctctcacaaa ccgacaataa ttttaattgat gaattttctt ttcaaacacc gatgacttog	480
acttttagacc taaccaagca aaatccaact gtggacaaaag tgaatgaaaa tcatgcacca	540
acttatataa atacctcccc caacaaatca ataatgaaaa aggcaactcc taaagcgtca	600
cctaaaaaag ttgcattttac tgtaactaat cccgaaattc atcattatcc agataataga	660
gtcgaggaag aagatcaaag tcaacaaaaa gaagattcag ttgagccacc cttaatataa	720
catcaatgga aagatccttc tcaattcaat tattctgatg aagatacaaa tgcttcagtt	780
ccaccaacac caccacttca tacgacgaaa cctacttttg cgcaattatt gaacaaaaac	840
aacgaagtca atctggaacc agaggcattg acagatatga aattaaagcg cgaaaatttc	900
agcaattttat cattagatga aaaagtcaat ttatatctta gtcccactaa taataacaat	960
agtaagaatg tgtcagatat ggatctgcat ttacaaaact tgcaagacgc ttcgaaaaac	1020
aaaactaatg aaaatattca caatttgtca tttgctttta aagcaccaaa gaatgatatt	1080
gaaaacccat taaactcatt gactaacgca gatattctgt taagatcatc tggatcatca	1140
caatcgtcat tacaatcttt gaggaatgac aatcgtgtct tggaatcagt gcctgggtca	1200
cctaagaagg ttaatcctgg attgtctttg aatgacggca taaaggggtt ctctgatgag	1260
gttgttgaat cattacttcc tcgtgactta tctcgagaca aattagagac tacaaaagaa	1320
catgatgcac cagaacacaa caatgagaat tttattgatg ctaaatcgac taataccaat	1380
aagggacaac tottagtata atctgatgat catttggact cttttgatag atcctataac	1440
cacactgaac aatcaatttt gaatcttttg aatagtgcac cacaatctca aatttcgtta	1500
aatgcattgg aaaaacaaag gcaaacacag gaacaagaac aaacacaagc ggcagagcct	1560
gaagaagaaa cttcgttttag tgataatatc aaagttaaac aagagccaaa gagcaatttg	1620

gagtttgtca aggttaccat caagaaagaa ccagttcttg ccacggaaat aaaagctcca	1680
aaaagagaat tttcaagtcg aatattaaga ataaaaaatg aagatgaaat tgccgaacca	1740
gctgatattc atcctaaaaa agaaaatgaa gcaaacagtc atgtcgaaga tactgatgca	1800
ttgttgaaga aagcacttaa tgatgatgag gaatctgaca cgacccaaaa ctcaacgaaa	1860
atgtcaattc gttttcatat tgatagtgat tggaaattgg aagacagtaa tgatggcgat	1920
agagaagata atgatgatat ttctcgtttt gagaaatcag atattttgaa cgacgtatca	1980
cagacttctg atattattgg tgacaaatat ggaaactcat caagtgaaat aaccaccaa	2040
acattagcac cccaagatc ggacaacaat gacaaggaga attctaaatc tttggaagat	2100
ccagctaata atgaatcatt gcaacaacaa ttggaggtag cgcatacaaa agaagatgat	2160
agcatttttag ccaactcgtc caatattgct ccacctgaag aattgacttt gcccgtagtg	2220
gaagcaaatg attattcatc ttttaatgac gtgaccaaaa cttttgatgc atactcaagc	2280
tttgaagagt cattatctag agagcacgaa actgattcaa aaccaattaa tttcatatca	2340
atttggcata aacaagaaaa gcagaagaaa catcaaattc ataaagttcc aactaaacag	2400
atcattgcta gttatcaaca atacaaaaac gaacaagaat ctctgtgttac tagtgataaa	2460
gtgaaaatcc caaatgccat acaattcaag aaattcaaag aggtaaatgt catgtcaaga	2520
agagttgtta gtccagacat ggatgatttg aatgtatctc aatttttacc agaattatct	2580
gaagactctg gatttaaaga tttgaatttt gccaaactact ccaataacac caacagacca	2640
agaagtttta ctccattgag cactaaaaat gtcttgtcga atattgataa cgatccta	2700
gttgttgaac ctctgaacc gaaatcatat gctgaaatta gaaatgctag acggttatca	2760
gctaataagg cagcgccaaa tcaggcacca ccattgccac cacaacgaca accatcttca	2820
actcgttcca attcaaataa acgagtgtcc agatttagag tgcccacatt tgaaattaga	2880
agaacttctt cagcattagc accttgtgac atgtataatg atatttttga tgatttcggt	2940
gcgggttcta aaccaactat aaaggcagaa ggaatgaaaa cattgccaag tatggataaa	3000
gatgatgtca agaggatttt gaatgcaaag aaagggtgtga ctcaagatga atatataaat	3060
gccaaacttg ttgatcaaaa acctaaaaag aattcaattg tcaccgatcc cgaagaccga	3120
tatgaagaat tacaacaaac tgctctata cacaatgcc ccatcgattc aagtatttat	3180
ggccgaccag actccatttc taccgacatg ttgccttctc ttagtgatga attgaaaaaa	3240
ccacctacgg ctttattatc tgctgatcgt ttgtttatgg aacaagaagt acatccgtta	3300

agatcaaact ctgttttggg	tcaccagggt	gcaggagcag	caactaatc	ttcaatgtta	3360
ccagagccag attttgaatt	aatcaattca	cctgctagaa	atgtgctgaa	caacagtgat	3420
aatgtcgcca tcagtggtaa	tgctagtact	attagtttta	accaattgga	tatgaatttt	3480
gatgaccaag ctacaattgg	tcaaaaaatc	caagagcaac	ctgcttcaaa	atccgccaat	3540
actgttcgtg gtgatgatga	tggattggcc	agtgcacctg	aaacaccaag	aactcctacc	3600
aaaaaggagt ccatatcaag	caagcctgcc	aagctttctt	ctgcctcccc	tagaaaaatca	3660
ccaattaaga ttggttcacc	agttcgagtt	attaagaaaa	atggatcaat	tgctggcatt	3720
gaaccaatcc caaaagccac	tcacaaaccg	aagaaatcat	tccaaggaaa	cgagatttca	3780
aaccataaag tacgagatgg	tggaatttca	ccaagctccg	gatcagagca	tcaacagcat	3840
aatcctagta tggtttctgt	tccttcacag	tatactgatg	ctacttcaac	ggttccagat	3900
gaaaacaaag atgttcaaca	caagcctcgt	gaaaagcaaa	agcaaaagca	tcaccatcgc	3960
catcatcatc atcatcataa	acaaaaaact	gatattccgg	gtgttggtga	tgatgaaatt	4020
cctgatgtag gattacaaga	acgaggcaaa	ttattcttta	gagttttagg	aattaagaat	4080
atcaatttac ccgatattaa	tactacaaaa	ggaagattca	ctttaacggt	ggataatgga	4140
gtgcattgtg ttactacacc	agaatacaac	atggacgacc	ataatgttgc	cataggtaaa	4200
gaatttgagt tgacagttgc	tgattcatta	gagtttattt	taactttgaa	ggcatcatat	4260
gaaaaacctc gtggtacatt	agtagaagtg	actgaaaaga	aagttgtcaa	atcaagaaat	4320
agattgagtc gattatttgg	atcgaaagat	attatcacca	cgacaaagtt	tgtgccact	4380
gaagtcaaag atacctgggc	taataagttt	gctcctgatg	gttcatttgc	tagatgttac	4440
attgatttac aacaatttga	agaccaaatc	accggtaaag	catcacagtt	tgatctcaat	4500
tgttttaatg aatgggaaac	tatgagtaat	ggcaatcaac	caatgaaaag	aggcaaacct	4560
tataagattg ctcaattgga	agttaaaatg	ttgtatgttc	cacgatcaga	tccaagagaa	4620
atattacca ccagcattag	atccgcatat	gaaagcatca	atgaattaaa	caatgaacag	4680
aataattact ttgaaggtta	tttacatcaa	gaaggaggtg	attgtccaat	ttttaagaaa	4740
cgttttttca aattaatggg	cacttcttta	ttggctcata	gtgaaatata	tcataaaact	4800
agagccaaaa ttaatttatc	aaaagttggt	gatttgattt	atgttgataa	agaaaacatt	4860
gatcgttcca atcatcgaaa	tttcagtgat	gtgttattgt	tggatcatgc	attcaaaatc	4920
aaatttgcta atggtgagtt	gattgatttt	tgtgctccta	ataaacatga	aatgaaaata	4980
tggattcaaa atttacaaga	aattatctat	agaaatcggg	tcagacgtca	accatgggta	5040

aatttgatgc ttcaacaaca acaacaacaa caacaacaac aaagctccca acagtaattg 5100  
aaaggtctac ttttgatgtt ttttaatttta attggcaaata atatgcccat tttgtattat 5160  
cttttagtgt aatagcgttt tttttttttc cagt 5194

<210> 3  
<211> 4  
<212> PRT  
<213> Candida albicans

<400> 3

Asp His Asn Ser  
1

<210> 4  
<211> 7  
<212> PRT  
<213> Candida albicans

<400> 4

Asp His Asn Arg Gly Asp Ser  
1 5

<210> 5  
<211> 5  
<212> PRT  
<213> Candida albicans

<400> 5

Phe Val Gln Asn Leu  
1 5

<210> 6  
<211> 11  
<212> PRT  
<213> Candida albicans

<400> 6

Asn Asn Val Val Phe Thr Asn Lys Glu Leu Glu  
1 5 10

<210> 7  
<211> 11  
<212> PRT  
<213> Candida albicans

<400> 7

Phe Ala Gln Leu Leu Asn Lys Asn Asn Glu Val  
1 5 10

<210> 8

<211> 5

<212> PRT

<213> Candida albicans

<400> 8

Asn Ser Glu Pro Glu  
1 5

<210> 9

<211> 15

<212> PRT

<213> Candida albicans

<400> 9

Lys Ser Ile Met Lys Lys Ala Thr Pro Lys Ala Ser Pro Lys Lys  
1 5 10 15

<210> 10

<211> 4

<212> PRT

<213> Candida albicans

<400> 10

Lys Leu Arg Arg  
1

<210> 11

<211> 16

<212> PRT

<213> Candida albicans

<400> 11

Lys Ala Ala Ala Lys Lys Ala Pro Ala Lys Lys Ala Ala Ala Lys Lys  
1 5 10 15

<210> 12

<211> 15

<212> PRT

<213> Candida albicans

<400> 12

Lys Ser Ile Met Lys Lys Ala Thr Pro Lys Ala Ser Pro Lys Lys  
1 ( 5 10 15

<210> 13

<211> 6

<212> PRT

<213> Candida albicans

<220>

<221> misc\_feature

<222> (3)..(3)

<223> Xaa can be any naturally occurring amino acid

<400> 13

Asp Asp Xaa His Asn Ser  
1 5